

I claim:

Sub 917
1. A method for processing used and manufacturing scrap asphalt shingle material comprising the steps of:

- 5 - collecting said asphalt shingle material;
- shredding said material to a first maximum size;
- separating said shredded material into (i) fine material and (ii) coarse course material; and
- forwarding (i) said fine material to a first finish processing line and (ii) said coarse course material to a second finish processing line.
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2. The method of claim one further comprising the step of removing foreign objects from said material after said

15 collecting step.

4. The method of claim 3 in which said separating screen is adapted for presentation of different sized openings to the shredded material for adjusting the size of the shredded material passing therethrough.

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5. The method of claim 4 further comprising the steps of:

- monitoring the aggregate-to-asphalt ratio in said fine material; and
- adjusting the size of the openings in said separating screen for adjusting the aggregate-to-asphalt ratio in said fine material prior to said forwarding step.

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6. The method of claim 5 in which said separating screen is further adapted for changing the angle of presentation of the openings therein for further adjusting the aggregate-to-asphalt ratio in said fine material.

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7. The method of claim 3 further comprising the step of providing a filtering screen between said shredder and said separating screen, said filtering screen being adapted for limiting the size of the pieces of shredded material flowing to said separating screen to said first maximum size.

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8. Automated apparatus for processing used and manufacturing scrap asphalt shingle material, said apparatus comprising:

5 - material staging station having an inlet and an outlet, said material staging station being adapted to receive and discharge a substantially continuous supply of said asphalt shingle material therethrough;

10 - a shredder located downstream of said material staging station, said shredder having an inlet for receiving material discharged from said material staging station and having an outlet downstream thereof;

- separating apparatus located downstream of said shredder, said separating apparatus comprising:

15 - screening apparatus having an upstream side and a downstream side, and having openings extending therebetween for shredded material to pass therethrough and for limiting the size of such shredded material passing therethrough,

20 - first collection station positioned for collection of material passing through said openings, and

- second collection station positioned for
collection of material larger than said openings; and
- material transport operatively associating said
material staging station, said shredder and said upstream
5 side of said screen apparatus with respect to flow of
shingle material therebetween.

9. The apparatus of claim 8 further comprising filtering
apparatus located between said shredder and said separating
10 apparatus, and being adapted to limit the size of shredded
material flowing therebetween to a first maximum size.

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